TIERRA AUDIO
The ECO-Smart ProAudio Company

www.tierra.audio

GRAVITY
MIX & MASTER

The most accurate & versatile analog compressor in just 1U.

The weight of analog with digital precision.

At TIERRA Audio we LOVE analog sound.

When we released the first analog prototype of the Gravity VCA Bus Compressor in 2018, and the final version in 2020, the feedback from studios around the world confirmed to us that all our hard work had paid off: the Gravity delivered a powerful, musical and versatile stereo compression.

Since then, our love for analog has expanded into an obsession over what digital technologies could offer. To take the sound and signal processing of the best analog components, and combine them with digital control and programming got us excited about what the Gravity could become.

And we are blown away at the results.

*The **Gravity Mix & Master** now brings the celebrated sound of our Gravity VCA Bus Compressor to the mixers and also to the world of Mastering, where accuracy and consistency are non-negotiable.*

It offers new state-of-the-art tools along with significant innovations that we believe will change the mixing and mastering game as we know it, driven by the highest quality sound lovers who know what analog electronics are capable of and who need truly efficient workflows in their daily studio and live work.

Esther Gutiérrez & Javier Pascual
TIERRA Audio Founders

The **Gravity Mix & Master** delivers THAT big sound with the best analog components matched with revolutionary digital innovation.

Our in house engineers have spent countless hours on learning about what really matters, and ways that we could improve workflow in a modern recording, mixing and mastering studio.

More than 5 years of slow cooking.

In 2017 we took our first steps on the path of ProAudio hybridization with the goal of **efficiently merging the analog and digital worlds**.

Today, after 5 years, we can say that we have reached our particular way of providing music producers and recording, mixing and mastering engineers with the first of many tools that we hope will become inseparable allies for all of them.

Yes, we love the irreplaceable sound of discrete electronics, but we are also the biggest fans of what modern algorithms and communications bring to a professional recording studio workflow.

There is no fighting, **there is symbiosis**.

Our firm goal is to value the strengths that each technology is able to offer, squeezing each of them to the extreme, guided by two basic pillars: **quality and flexibility**.

Future-proof electronics.

After dozens of previous prototypes, we iterated our *A+D* (Analog+Digital) electronics more than 100 times until we were sure we had incorporated the most suitable technology to overcome each challenge to be solved using **the best components on the market**, and a handful of creative solutions even where others had proposed different solutions before.

The result is a **fully analog audio path** that exceeds the quality standards of the most premium segment of the market, together with a very **powerful and efficient digital architecture** that opens a new window towards collaboration between manufacturer and end users, allowing them to incorporate ideas and solutions into their workflow thanks to our **open source *TA Community API* and private feedback channels**.

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Tons of added utility all in a 1U chassis.

ANALOG SOUND ARCHITECTURE

· **5 Operation Modes:** *Stereo, Dual Mono, Mid/Side, Serial Mono and Parallel Mono.*

· *Parameter Linking* **(Absolute and Relative).**

· *Stereo Side-Chain* **(Internal and External).**

· *Full analog audio path* **with premium electronics manufactured in Madrid.**

· *Ultra-quiet modern power supply* **fully developed by TIERRA Audio.**

· *THD+N < 0.004%* **(1 kHz, 0 dBu) per channel**[1].

COMPRESSION FEATURES

· **Advanced full-spectre Side-Chain with variable** *HPF + LPF and Notch.*

· *Extended Ratios*:
1.5:1, 2:1, 3:1, 4:1, 8:1, 10:1 and 15:1.

· **Integrated** *Limiter* **function (> 20:1).**

· **Integrated** *Expansor* **function through negative ratios.**

· *Knee* **shaper for ratios with** *Soft*, *Medium* **and** *Hard* **options.**

· *Extended Threshold & MakeUp* **(+/- 20 dB) with** *TA Multi-Resolution* **technology.**

· *Extended Attack* **architecture with 8 steps from 0.1ms to 70ms*.**

· *Extended Release* **architecture with 8 steps from 20ms to 1.3s*, and AUTO.**

· *Blend* **function (0% - 100%) for parallel compression with** *TA Multi-Resolution* **technology.**

· *Bypass* **and** *Mute* **master functions.**

· *Independent Bypass* **function for Threshold, Make Up and Blend.**

· *Digital VU meters* **for In/Out/GR/SC with different style meters and** *Peak Modes*.

· **Automatic** *Gain Reduction Assistant.*

DIGITAL CONTROL AND RECALL

· **Front panel with digital knobs &** *LCD Display*.

· *USB*, *Ethernet*, *WiFi* **and** *BT* **connectivity.**

· **Military grade** *encrypted communications.*

· **Free** *AU, AAX and VST3 Plugins* **for your favorite DAW, and free** *Web Plugin* **for Mobile.**

· *Remote Control* **over Internet with auto device discovering and routing.**

· **Open Source** *TA Community API*.

PRESETS AND STAGE TEMPLATES

· **Fully configurable** *A/B/C Fast Presets* **for** *Stereo*, *Dual Mono* **and** *Mid/Side* **modes.**

· *TA Factory Presets* **with genres & styles, instruments and famous producers technics.**

· **User** *Custom Presets* **for personal workflow improvement.**

· **Shareable** *TA Community Presets*.

· *TA Stage Templates* **for live automation.**

SMART FEATURES

· *TA Smart Ambience* **technology for improved sound accuracy recalling sessions (heater and cooler) with dedicated** *Temperature* **sensor per audio channel (***Left/Mid* **and** *Right/Side***).**

· *TA Pulse* **technology for frequencies and compression** *diagnosis* **in each session,** *warranty services automation*, *anti-thief*, **and continuous** *measurement of supply voltages* **to activate and protect the audio path.**

· **Additional** *Temperature, Humidity* **and** *Pressure IoT* **sensors for outdoor protection.**

· *Auto-brightness* **for LEDs and LCD Display.**

· *FOTA* **(Firmware Over The Air) updates.**

· **Integration with the** *RESON token ecosystem*.

(*) *Attack and Release times vary depending on the Ratio and configuration between them.*

Smart workflows. Obsession for precision.

We have spent a lot of time putting ourselves in the shoes of the end user, understanding their perspective on their workplace with the knowledge that there is still plenty of room for improvement. When you've mastered the technology, you know how to apply it in a way that is useful and, most importantly, certainly not noticeable. **It just works.**

Our **Presets and Stage Templates** are a new twist in the universe of automations that really make a difference in your daily work. They will mean a clear saving of time and effort for users, always under the paradigm of open configuration formats and the communication standards proposed by our open source **TA Community API** that help to homogenize a set of functionalities historically opaque within *ProAudio* sector with the arrival of digital world.

On the other hand, the **impeccable precision required by the demanding world of Mastering**, recovers the prominence it deserves with our *TA Multi-Resolution*, *TA Smart Ambience* and *TA Pulse* technologies:

✓ **TA Multi-Resolution** allows you to choose in real time, and with a single touch, the step size for the most important parameters, from as little as 0.2 dB for *Threshold/MakeUp,* and from 1% for *Blend* when mixing and mastering, to much larger steps perfect for live performances.

✓ **TA Smart Ambience** is the technology responsible for automatically calibrating the device so that the elementary electronic components (resistors, capacitors, transistors, diodes and *VCAs*) always work under stable and homogeneous physical conditions between working sessions separated in time, always synchronized with your *DAW*.

✓ **TA Pulse** continuously and transparently monitors that the device's sonic, electronics and electrical performance remains as optimal as if it had just left the factory and, in the event of any deviation, automatically initiates a pro-active warranty claim process that anticipates a potential future incident, reducing studio downtime to zero due to technical problems.

T|A

All our creations must comply with two basic rules:

✓ *They must do what they promise.*

✓ *They must do so as respectfully as possible to the environment and to the people who make them.*

The new *Gravity Mix & Master* **is fully designed and manufactured in Madrid**, promoting the use of 100% sustainable materials of the highest quality, such as stainless steel or aluminum, and wood from sustainable forests. We also minimize the use of polluting chemicals by laser engraving all our units, and with recyclable packaging that does not use any type of plastic material.

In addition, more than 85% of our suppliers and collaborating craftsmen are located in Spain. All of them uphold our values of quality and sustainability, helping **to keep the ecological footprint of each TIERRA Audio product as small as possible.**

Of course, we've designed *Gravity Mix & Master* to be incredibly robust to accompany you through many years of music production.

That's why we give you an **7-years extended warranty**[2].

And, as always, we **plant trees** thanks to you!

1 Gravity Mix & Master = 1 Tree

Launching and availability.

SALES FROM JUNE 2023

WAITING LIST AVAILABLE AT

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Information and contact.

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[1] *The complete technical specifications will be published after the tuning work done with the community collaborators.*
[2] *The warranty covers possible manufacturing defects, never damages of use. See our "Terms and Conditions" on our website.*
- All descriptions, photographs and specifications are subject to change without notice due to technical decision or typographical error.